

Fig. 1

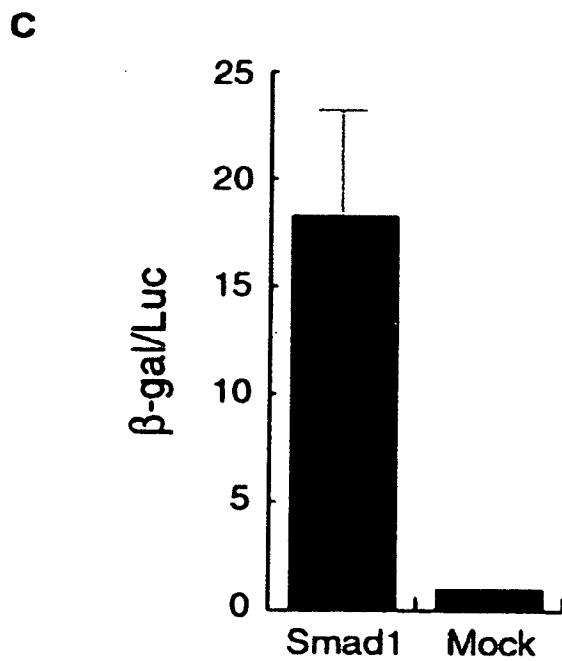
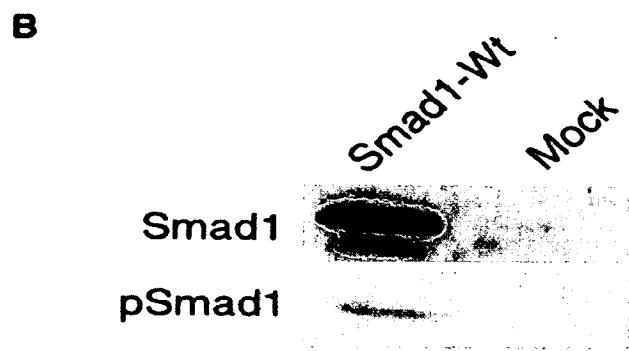
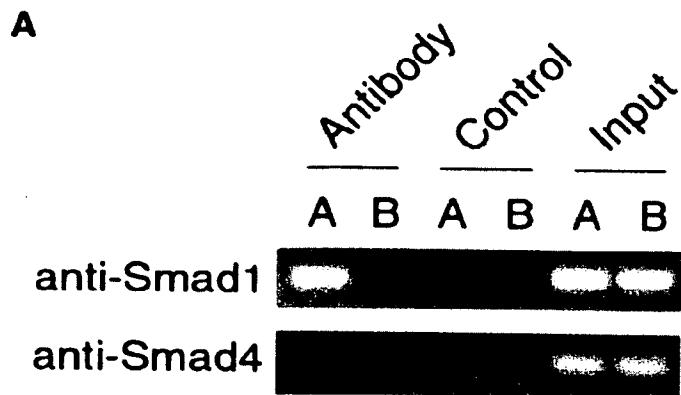
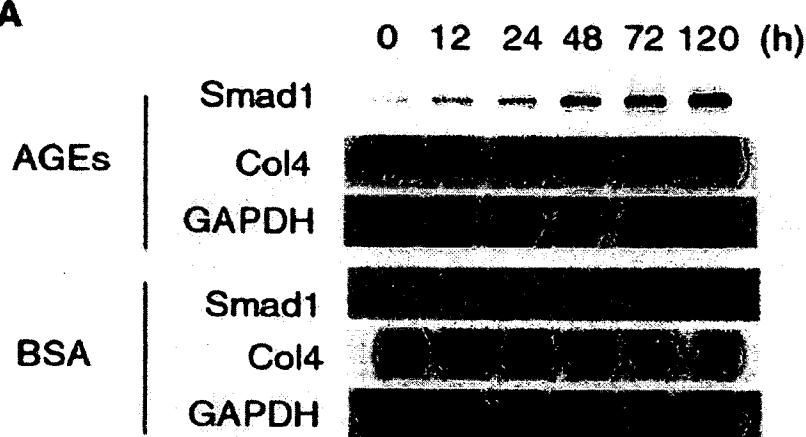
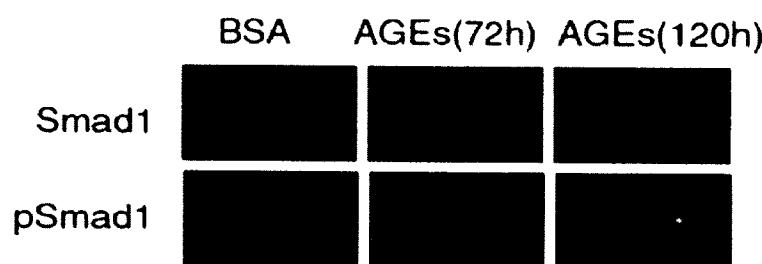


Fig. 2

A



B

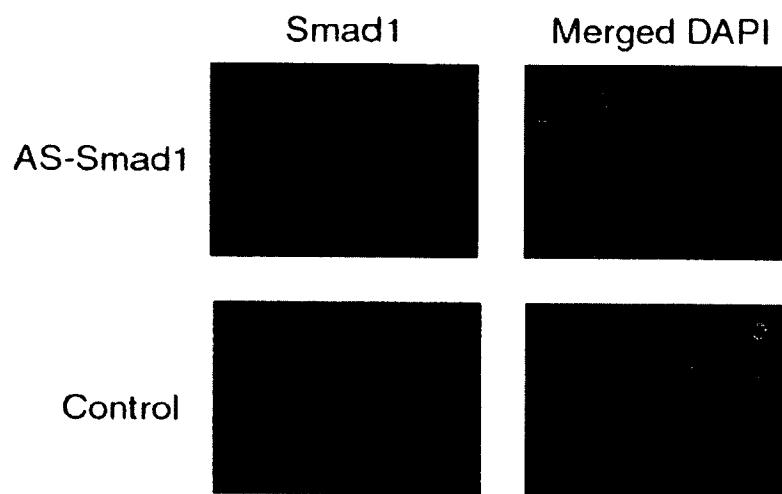


C

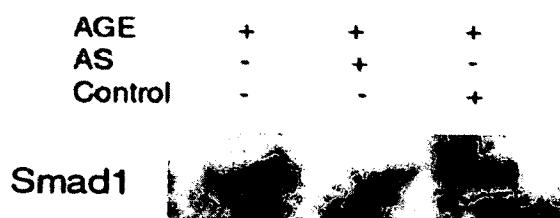


Fig. 3

A



B



C

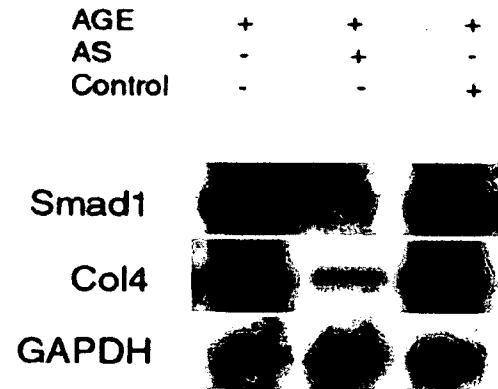


Fig. 4

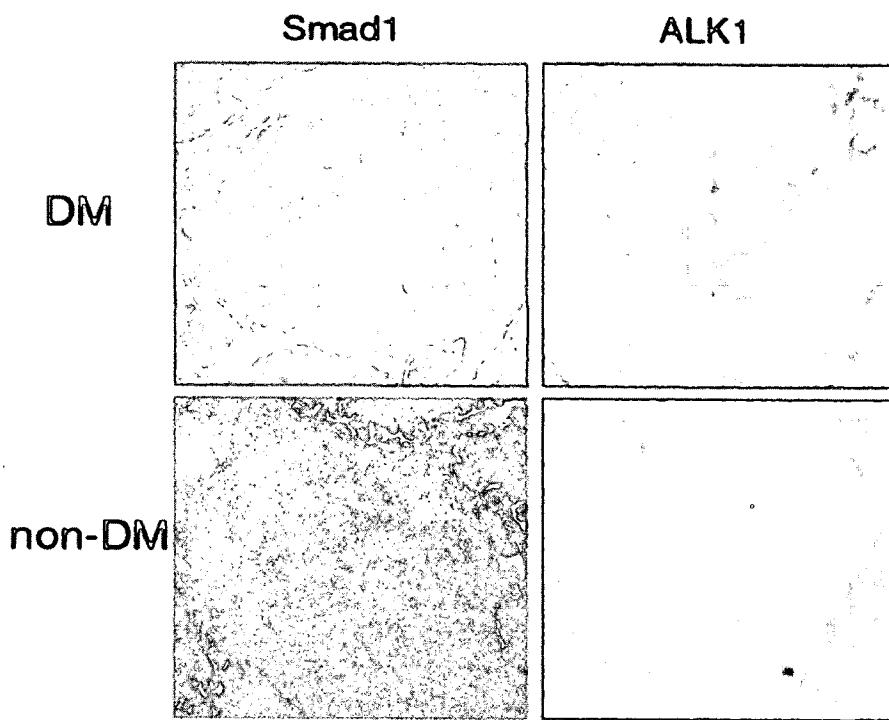


Fig. 5

Array analysis (AGES simulation on mMC)

AGE/BSA Ratio AGE/BSA(color swap)

BMP4	21.25	2.32
BMPI	2.06	2.07
SMAD1	1.27	1.22
RAGE	1.15	5.6
TGFbRII	0.49	12.1
TGFbRI	1.15	1.1
ALK3	1.18	1.3
BMPRII	2.06	4.74

Fig. 6

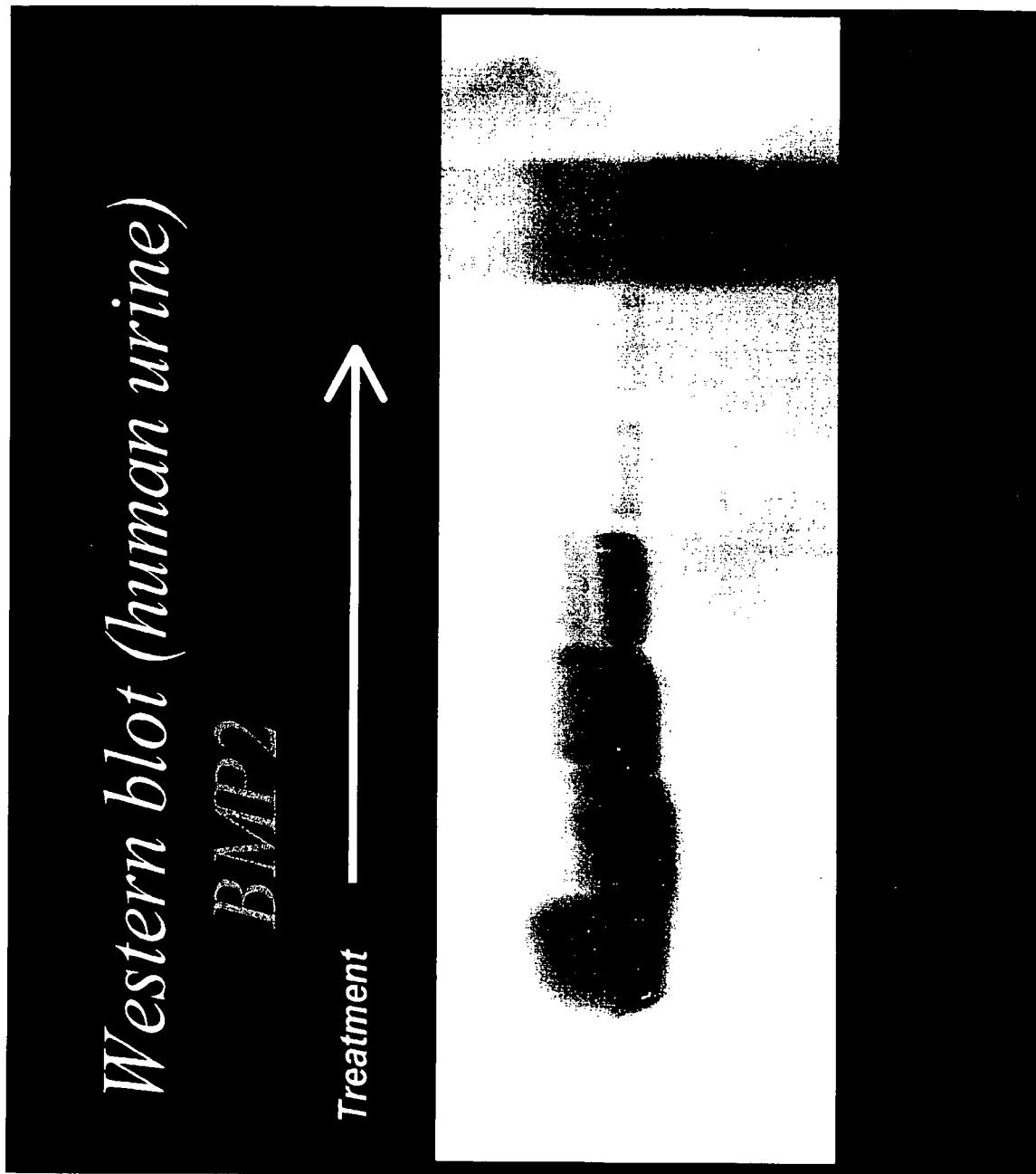


Fig. 7

Western blot ($TGF\beta$ time course)

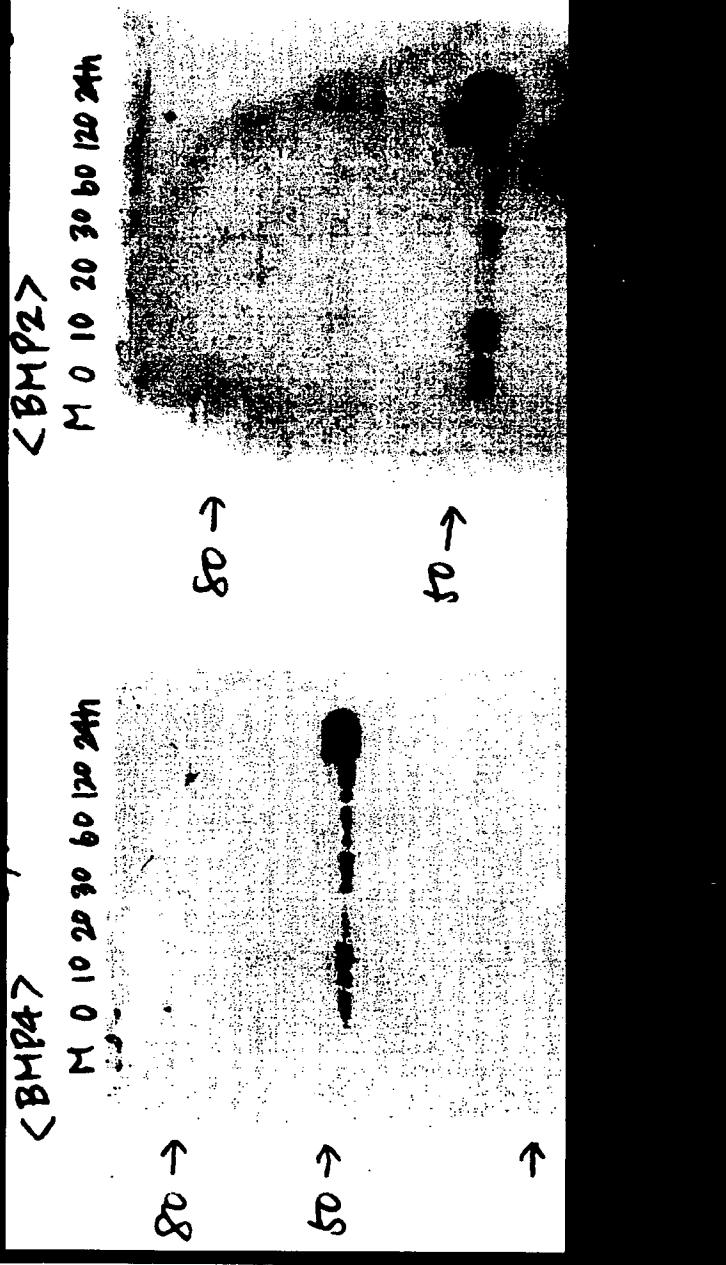


Fig. 8

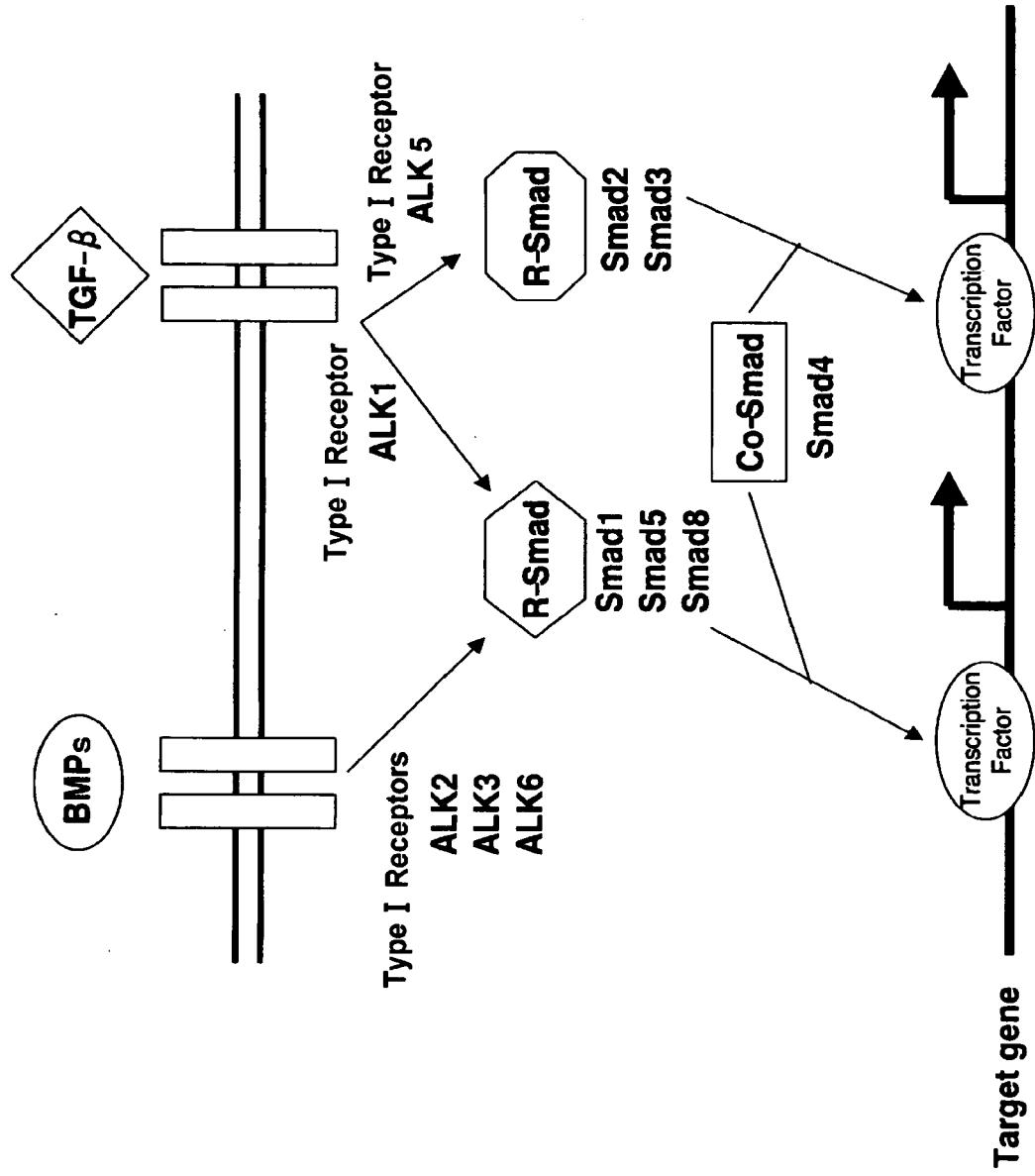


Fig. 9

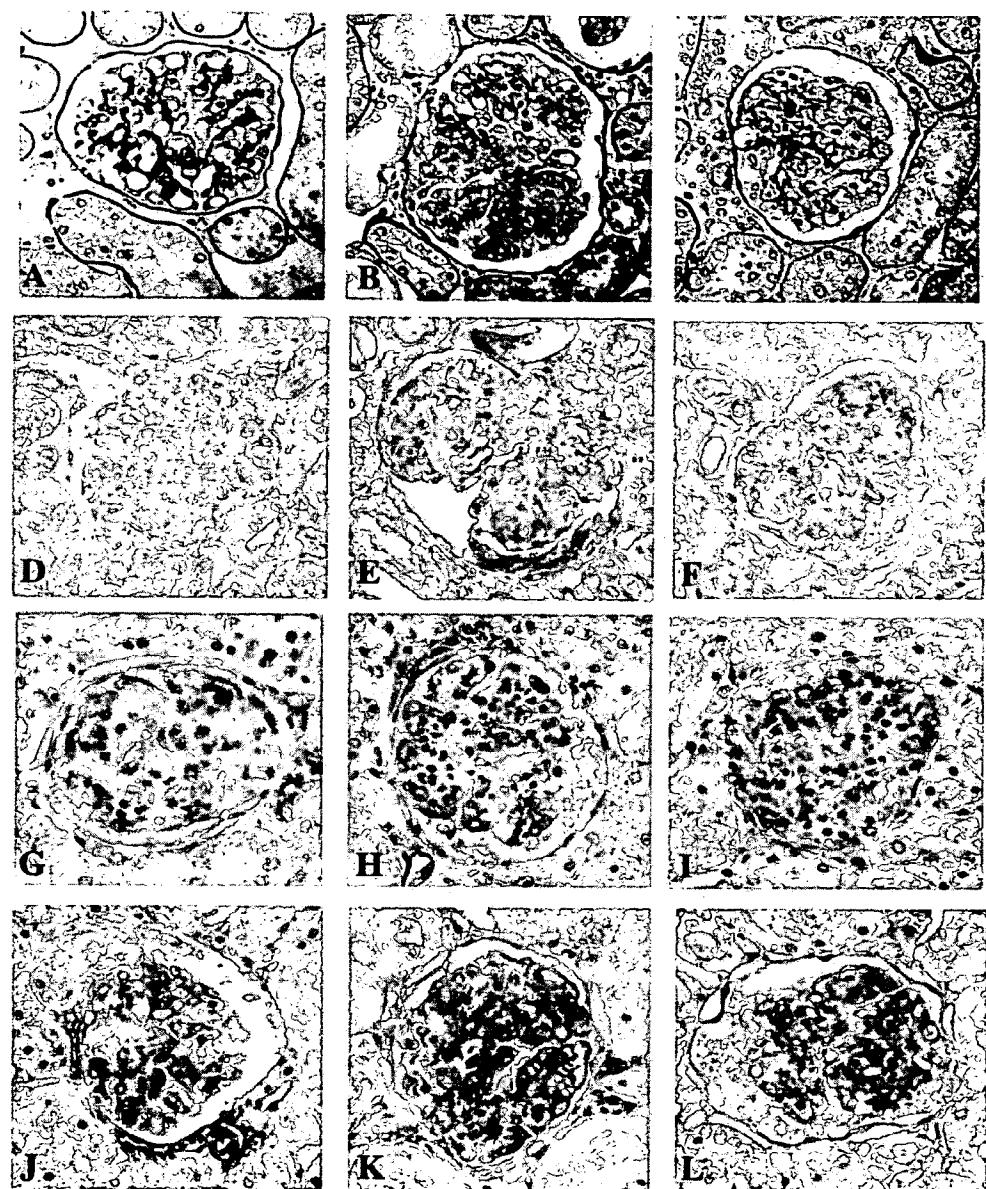


Fig. 10

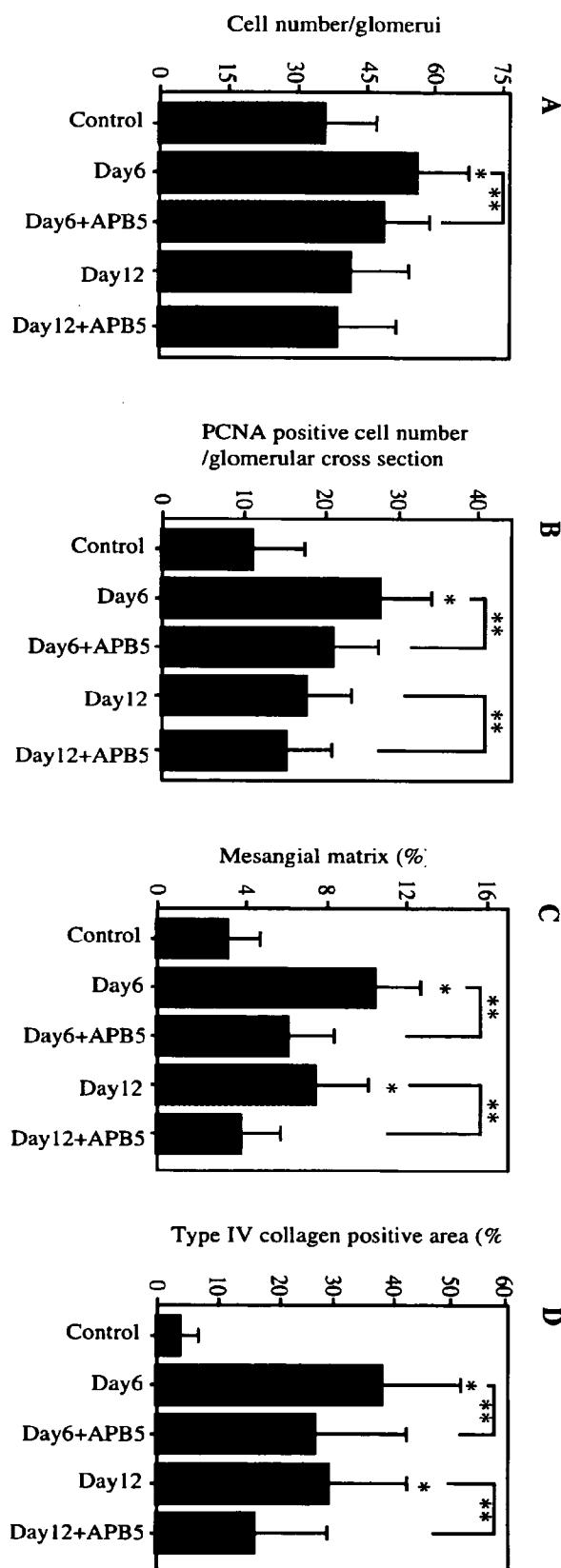


Fig. 11

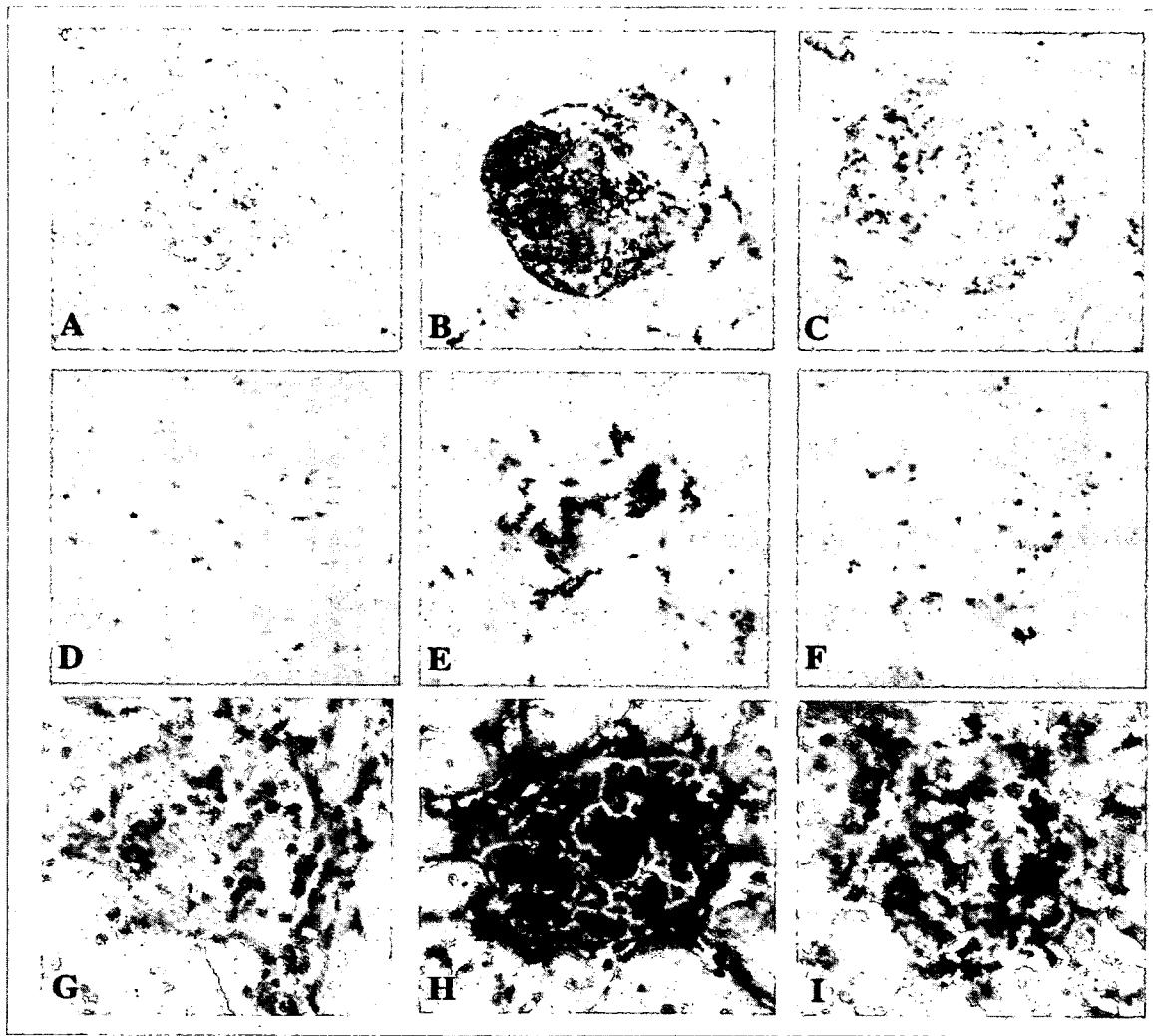


Fig. 12

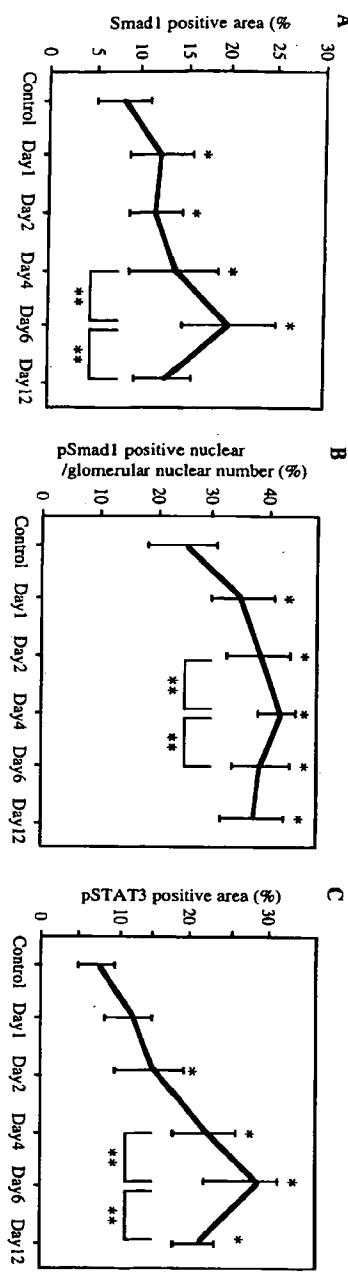


Fig. 13

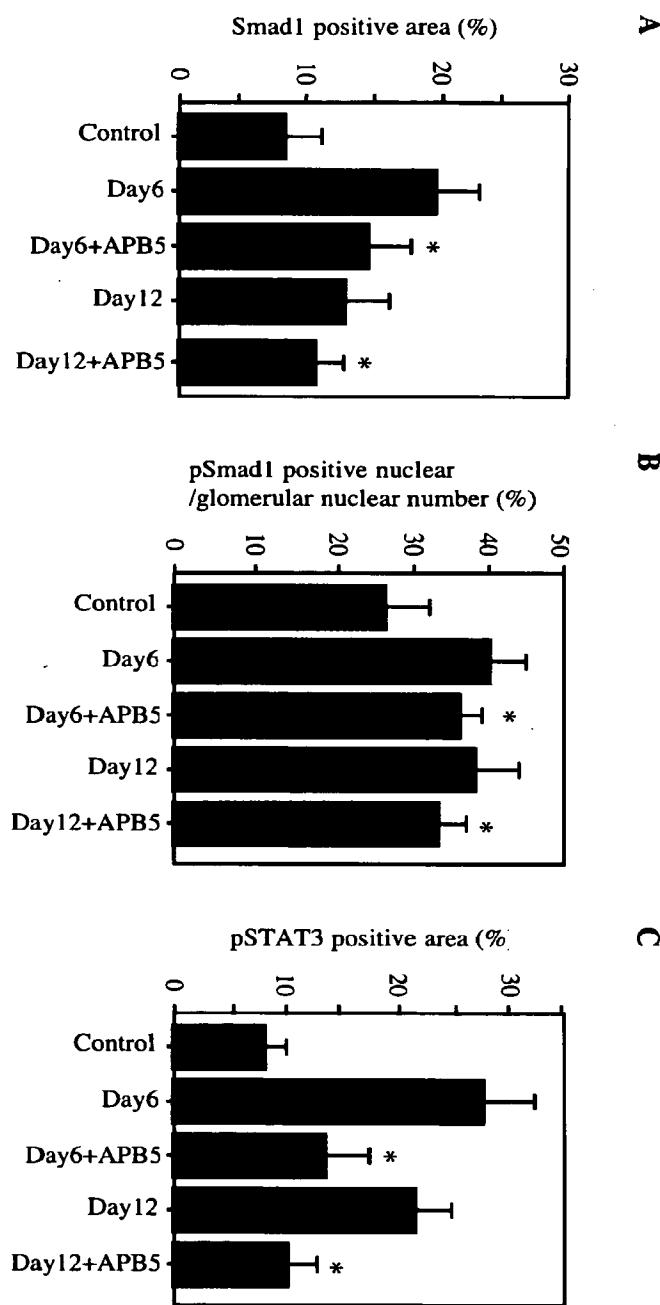


Fig. 14

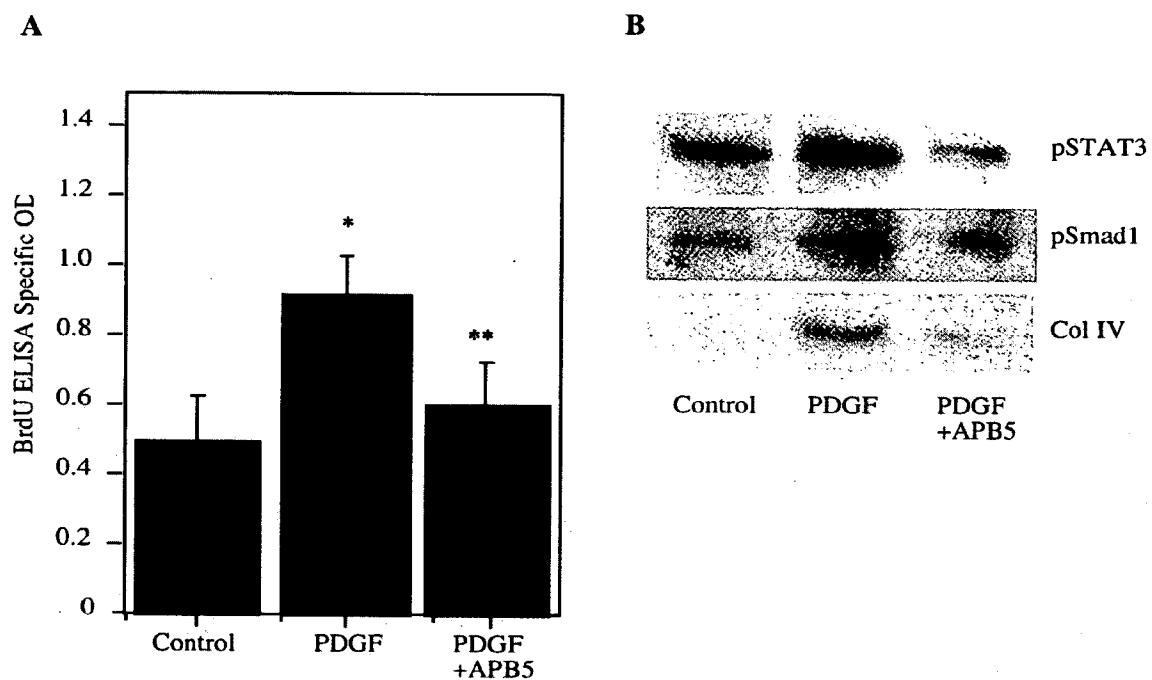


Fig. 15

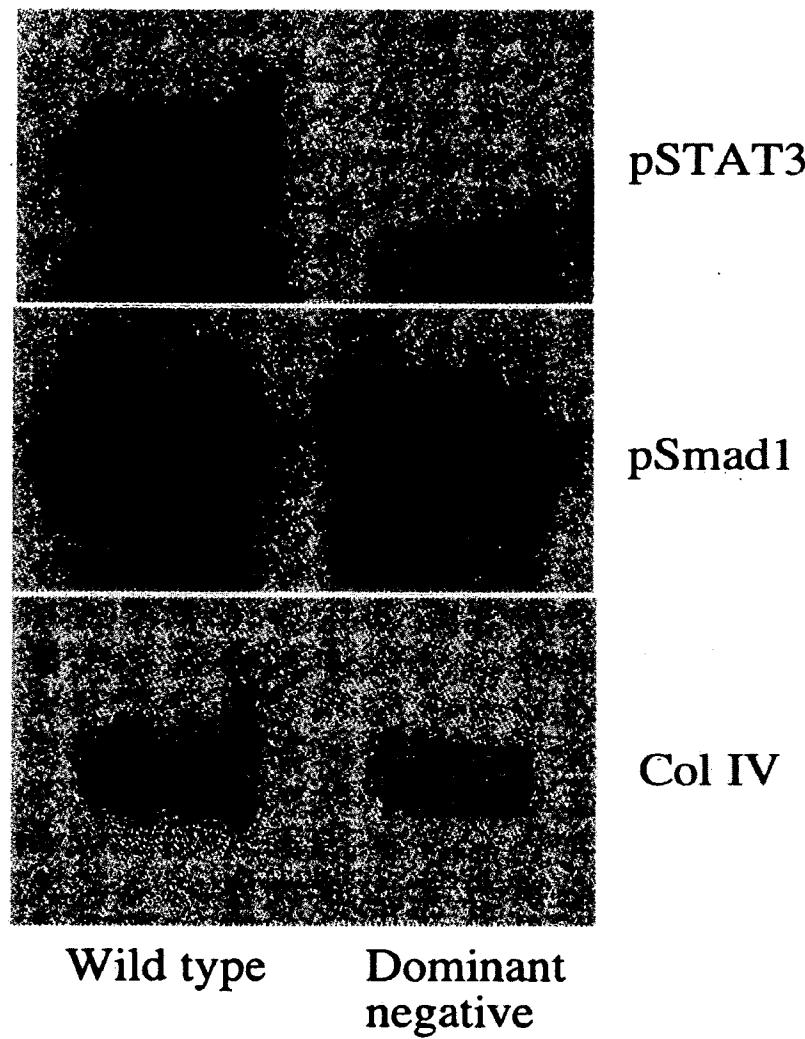


Fig. 16

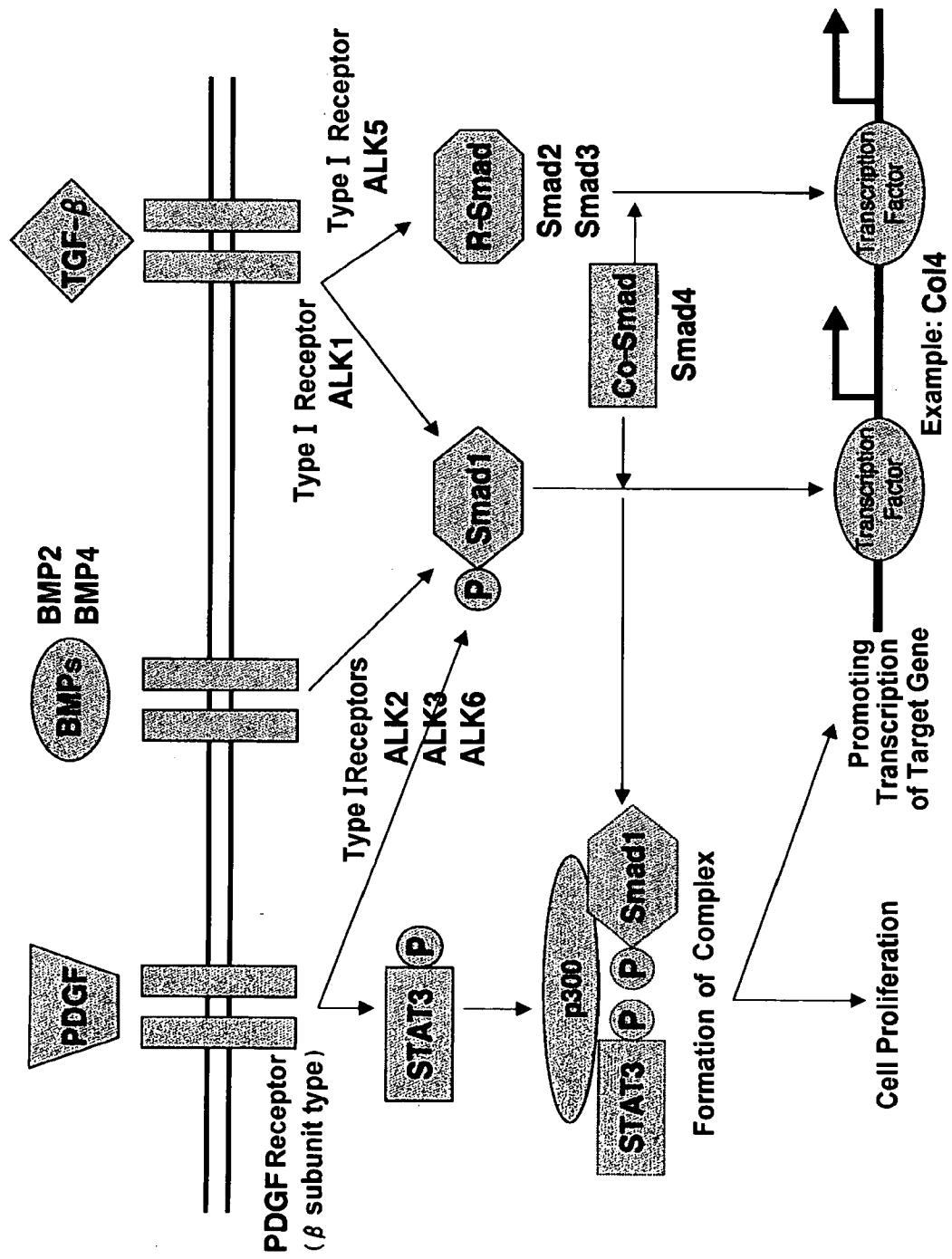


Fig. 17

Western blot (human urine ALK-1)

M 1 2 3 4 5 6 7 8 9 10



- Lanes 1-5: diabetic nephropathy
Lane 6: mitochondrial disease in which diabetes is complicated with
sclerosing, renal proliferative disease
Lanes 7-8: diabetes + nephritis (without sclerosis)
Lanes 9-1: normal

Fig. 18

Western blot (human urine ALK-1)

Treatment

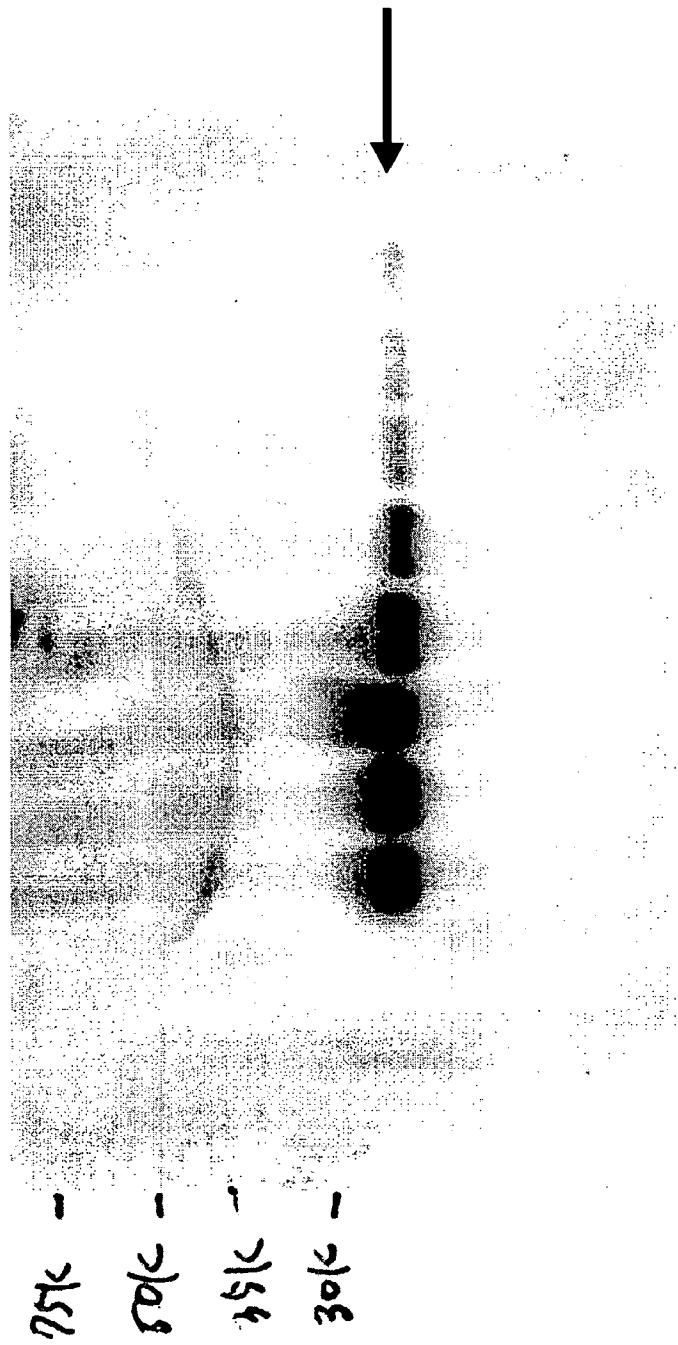
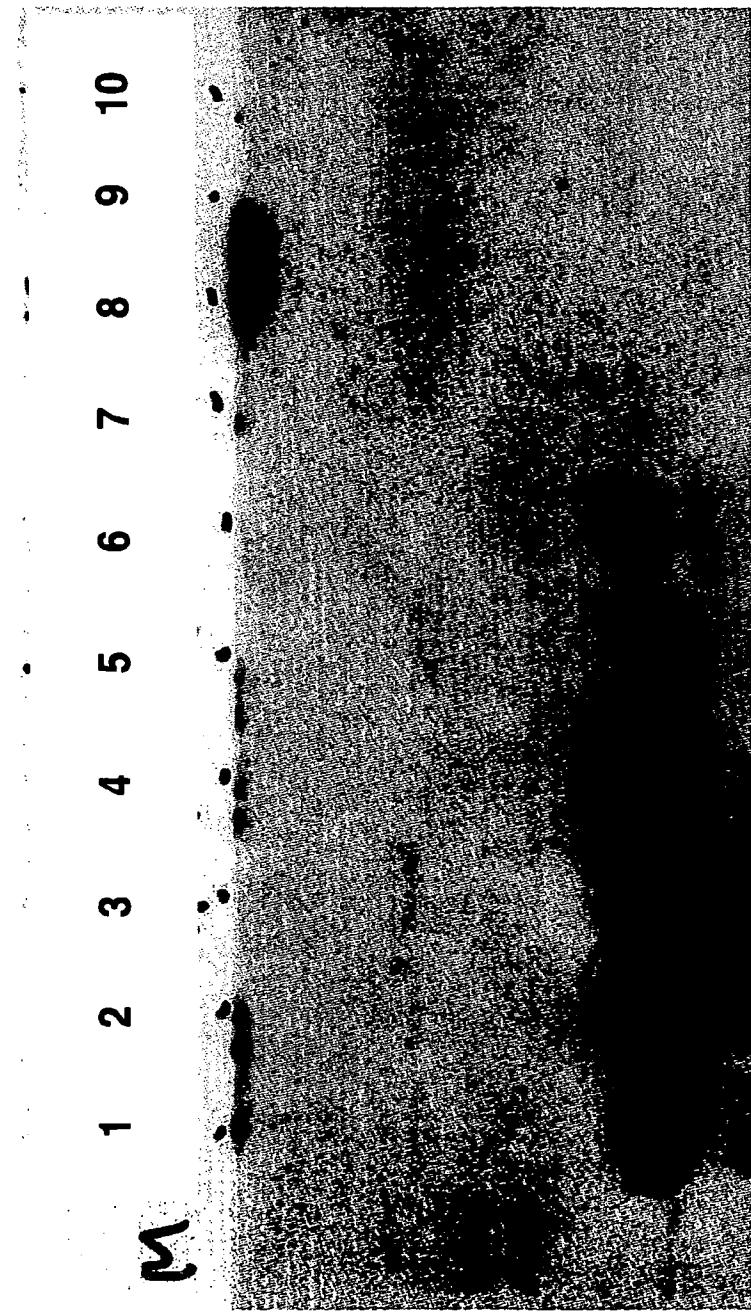


Fig. 19

Western blot (human urine Smad1)



Lanes 1-5: diabetic nephropathy
Lane 6: mitochondrial disease in which diabetes is complicated with
sclerosing, renal proliferative disease
Lanes 7-8: diabetes + nephritis (without sclerosis)
Lanes 9-10: normal